







Explanatory

The following M. S. notes relate to a collection of bird skins made for me in Arizona by Mr. F. Stephens, and now included in my general collection. They are in short the collectors field-notes and were originally in the form of blank books of small size each of which was sent to me as soon as filled, with the birds which it catalogued.

The numbers in red ink are those of my own catalogue. The encircled numbers relate to birds which I have disposed of to others; all not thus checked will be found in my collection.

William Brewster.
November 1881.

William Brewster

The numbers in black ink
are those of the collector

The numbers in red ink
are those of my own
regular Catalogue.

28 Feb. 1881.

405

The Chiricahua Mts are located in the South east corner of Ariz; some of the foothills even reaching the line of New Mex. and the Mexican state of Sonora. Several small streams run east and west from the summit; the former into the San Simon valley and the latter into the Sulphur Spring valley; and San Bernardino valley. The two first valleys are tributary to the Rio Gila. The San Bernardino valley runs south and water from it flows to the Pacific near Guaymas. The valleys are grassy plains but just the San Simon is more

or less low bushes, mostly
Mesquit. In the foothills
begins the scrub Oak. It is
evergreen: the leaves being
insensibly replaced with new
ones in May. A little higher
the junipers come in, being
called "Cedar" by most people
here. Still higher on the
north sides of the hills is
a little Piñon and scrub
Pine and on the summits is
a heavy growth of Pine, red
and black. In the steep gulches
is some Fir, and on the steep
hillsides, mostly facing the
north, near the summit are
patches of Aspen.

The valleys are about 5000
ft altitude and the high-
est summits perhaps 9000.

In the valleys are various species of Sparrows, Scaled Quail &c. The Woodhouse Jay, Aphelocoma var. woodhousei is not common here in the brush along streams in the valleys and low foothills. A. var. arizonae is found in the foothills from the lower edge of the Pines down. Cyanurus var. macrolophus, replacing it in the Pines. Lophophanes wollweberi is found in the scrub oak region. L. inornatus ranging higher, the latter especially being rather rare here. Sitta pygmaea is common in the Pines and S. var. aculeata occasional. Psaltirparus plumbeus is

rare. Found in flocks of six to fifteen in the scrub Oaks. Sialia ^{arctica} ~~mexicana~~ is rare in the low valleys. S. mexicana abundant in all timber. Junco dorsalis is now occasional in the cañons containing timber and water. In the spring they are common and in summer tolerably plenty also. A nest I found in 1876 was under a tuft of grass in heavy pine timber about 8000 ft altitude.

I find it needless to try to describe the songs of birds as I have no ear for same so I shall not attempt to do so with any, but very rare ones.

4 Mch 81

Cave Creek Cochise Co. A.T.

1st Pencacea var boucardi? 6.6 x 8.3 ♂

2nd Ditto 6.7 x 7.9 ♀

3rd Ditto 7.0 x 8.2 ♂

Badly shot in the head

T. brown. Legs pale flesh Bill ^{dark} ~~pale~~ ^{blind}

This species I have not seen in Arizona before. I took several near Ft Bayard N M. in 1876. I saw mates to the first two but did not get them. They acted somewhat like Wrens, hiding among the rocks and flushing from the grass some distance from where they had lit. I was went into the low branches of scrub Oaks, from which I shot them. They were on rocky scrub Oak hillsides, and were apparently mated. Notes sparrow-like in character, short song and chirp. Food, seeds and a few insects.

4 Mch 81

5691

4 Picus scalaris var? 7.6 x 13.3 ♂

Edk. sin. Rather common in
scrub Oak.

5692

(5) Lophothorus willowberi 5.7 x 7.7 ♂

Edk. sin. Bill blackish. Legs bluish.
Common here in flocks of half a
dozen. Food insects.

Added to C.
A. List

Would camp over here last
night as much for the
purpose of investigating some
caves said to contain large
quantities of bird droppings
as for collecting. I went to
one of the largest caves this P.M.
and found on the floor tons
of bat droppings, and a
little from birds. Also found
a few feathers (primaries
and rectrices) of Panyptila
saxatilis, and a few of

Falco sparverius. This locality ^{Cabe Creek} is seven miles south of Galeyville A.T. The east half of Pima Co is now Cochise Co. and I will so note it. This country here is very broken and rocky with numerous small caves. I expected to find many ~~hawk~~ Hawks and Chols here on that acct. but today I have seen none but Sparrow Falcons, and as the sun does not get into the creek bottom until 9.30 the birds don't get in where I can get at them very early in the morning. Saw a Tachyneta thalassina this morning. Weather warm

5th Mch 81
Cane Creek

Heard an Anthus multicinctus at daybreak. A little rain last night.

5693 6 Melospiza lincolni 5.5 X 7.9 ♂ juv
Common along streams

I dk. crown. Food insects. 5. X 7.6

5694 7 Lophophanes wallroberi 5. X 7.6 ♀

5695 8 Ditto 5.1 X 8. ♂

5696 9 Ditto To Gordon Picus 5. X 7.5 ♀

10 Junco var. arizonae 6.2 X 9.2 ♀

5697 I. dk brown. Bill & legs flesh color.

As I left my set of skins at Galiville I cannot compare the sp. of Junco. The flock contained several var. arizonae one of which

I tore too badly with shot to skin. Food, insects

5698 11 Spizella socialis ^{arizonae} 5.5 X 8.9 ♂

I. dk. brown. Bill ^{dark} flesh color. Legs pale brownish. Food, seeds. Large flock. Kept mostly in trees.

5 Mch 81

5699

- 12 Thryothorus var. leucogaster 5.7 X 7.2 ♂
d. brown. Bill ^{blackish} ~~lt. bluish~~. Legs blackish.
Food, insects. Common in
weeds and brush along the
stream. Shy and difficult to
entice out in sight sufficiently
to shoot at. By throwing stones
near where I hear them, they
will sometimes venture out to see
what the disturbance is.

5700

13

Ditto

5.6 X 7.3 ♂

Shot through the head.

5701

(104)

Melospiza lincolni 5.5 X 7.6 ♀

held to cage
409

Extremely fat.

15

Junco. (caniceps) 6.3 X 9 ♀

5702

I cannot tell now whether
this is caniceps or dorsalis.

The best account of the sp. of
junco I have seen is in Henshaw's
Report on birds collected by him
in Ariz. Utah N. M. & Colo.
which I have not at hand.

6 March 8.

Short showers of rain fell in the afternoon yesterday, accompanied by hail and heavy thunder and sharp lightning. Wind was very high during the night and today is still very high. I heard that a covey of "Fool Quail" were occasionally seen a couple miles up the Creek, and today moved camp to the vicinity, with the intention of looking for them tomorrow. On the way up saw two Deer, and shot a pair of Curvirostra var. mexicana in scrub pines. Saw no others. A couple months ago I saw a male near the summit, and last July I saw a brood of full fledged young which comprise all I have seen here.

6 Mch 81

5703

16 Curvirostra varians mexicana

7.1 X 11.9

♂

17 ⁵⁷⁰⁴ Ditto

7.1 X 11.8

♀

Iris, dark brown. Pine seeds.

The jaw muscles were
extraordinarily developed
on the side ~~from~~ toward which
the lower mandible crossed.

Sold to Gordon Phummer for \$6.

7 Mch 81

(18) Picus stricklandi 8.3 x 13.9 ♂

5705 I. dk brown. Habits similar to other Woodpeckers. Killed this one from a scrub Pine, though they are usually found in Oaks.

Notes very harsh and sound as if they were trying a lower key than their voice is capable of using, or rather as if it was made too low in the throat.

Not particularly rare. Rather shy. Have seen none but males so far this winter. I have never seen them out of this range of

5706 mountains

19 Aphysopneus thyroideus 8.8 x 16.2 ♀ juv

I. dk. brown. Between the muscles and skin on the upper side of the wings were innumerable eggs of some parasite. Not common here. Found in the Pines.

7 Mch 81
Cave Creek.

Hold to #1.25
C. B. Cory

5707

20

Chrysomitris pinus 5.8 X 8.9 ♂

Dk brown. Seeds. Common.

5708

(21)

Myiadestes townsendi 8.5 X 13.1 ♀

22

Ditto

8.8 X 13.6 ♀

5709

Dk. brown. Food insects.

Not common. Pinons. Not

shy. Have a habit of sitting
perfectly still several minutes
at a time. Flight slow.

5710

23

Picus stricklandi 8.1 X 14. ♀

First female I have seen
this winter.

5711

24

Geothlypis var. californica 6.8 X 11.4 ♀

5712

25

Ditto

5.1 X 9.4 ♀ juv

Barly old enough to be able
to fly.

5713

26

Lophophanes wollweberi 5. X 7.7 ♂

5714

27

Aphelocoma var. californica 8.2 X 15.1 ♂ juv

D. black. Food small black ants
Not common. Keep in the
scrub Pines.

7 March 81

Saw a large bird having much the appearance of the Cal^a Vulture, but it did not appear much if any larger than the Turkey Vulture. It was flying at perhaps a quarter of a mile distance, I could distinguish some white under the wings and tail. Otherwise it was black.

Killed a Deer and saw three others.

Weather pleasant.

8 March 81.
Cave Creek.

⁵⁷¹⁵
28 Regulus calendulus 7.2 x 6.5 ♂

I. black. I nests. Common especially in deciduous timber. I think a few summer breed.

⁵⁷¹⁶
29 Sialia mexicana 6.5 x 12.1 ♀
Common especially females.

⁵⁷¹⁷
30 Lophophanes inornatus 7.5 x 7.6 ♀

⁵⁷¹⁸
31 Ditto ^{1/2} H. W. Henshaw. 7.9 x 7.8 ♂

⁵⁷¹⁹
32 Psaltriparus plumbeus 7.7 x 6. ♂

I. brown. Saw two others. Rare. Scrub Oaks. The others disappeared when I shot this one.

⁵⁷²⁰
33 Sitta var. aculeata 7.8 x 11.1 ♂

I. dk. brown. Common in Pines

March 8th 1881

I have hunted the locality where the "Fool Quail" were said to "nest", pretty thoroughly several times but fail to find them. I found where the coveys had sat over night some time ago. It was in a little hollow among the brush. As our provisions are about exhausted we shall have to go back to Galeysville in the morning. From there we will go to Moses Mill, which is on the other side of the range from where we are now camped and only about eight miles distant air line. By the nearest wagon road it is over seventy miles, and by the nearest way a horse could be rode and led about twenty

10 Mch 81

10 mls North of Galeyville A.T.

5721

34 *Chialia arctica* 7.2 x 1.3, 1 ♂

I. brown, Stomach contained
butter, crickets and a large white
larva. Small flock seen.
Grassy plains, where they flew
from one weed stalk to another.
Restless and rather shy.

Drove to a spring seven miles
S.E. of Camp Bowie. Weather
very stormy with snow in the
morning.

57

133

31

88

Chialia arctica

12 Mch 81
Chiricahua Mts A.T.

5722

35 Aphelocoma var. arizonae 12.9 x 9.8 ♀
Egg brown, food broken
acorns &c. Found in the
foothills mostly. Go in flocks
of five to twenty. Restless and in
most localities shy, but around
Mills &c where they feed on the
grain mixed through the horse
droppings they are more easily
approached; as is usual with
all birds, when they are not
accustomed to the presence of
human beings, they are very
shy of them.

Arrived at Moses Mill
this P. M. This mill is about
five miles up the cañon where
it widens out in a sort of
basin having a circle of moun-
tains about it two to three
thousand feet still higher.

The hills are heavily timbered except on the southern exposures where the timber seems to dry out and is only stunted growths among the grass. Of level ground there is practically none. Small streams run through most of the cañons but all combined sink before reaching the plains. Altitude of mill about 7000 ft. We are now not more than ten miles from where we were in Cave Creek, but to get here we traveled over seventy miles and then came by the shortest road.

12 Mch 81

Morse's Mill: 7,000 ft.

5723

36 Callipepla squamata 10.2 x 12.2 ♀

J. brown, Found in desert plain seldom in the vicinity of water. Usually found in flocks of six to ten, occasionally as many as twenty to thirty. Shy and in most places difficult to get, in most cases I do not get more than one out of a flock.

37 Melanerpes formicivorus ^{9.4 x 17.2} ♀

5724

J. white. Not very common here. I have never seen any acorns driven into holes bored in the bark of ^{or in the} trees for that purpose here, as the sp. is in the habit of doing in Cal^{if}, otherwise there is little difference in their habits.

5725

(38) Picus stricklandi 8.2 x 14.3 ♀

Killed at very short range.

To Chas. B. Cony.

13 Mch 81

Morse's Mill

An exceedingly
windy day. with a
little snow in the
night.

14 Mch 1881

Morse's Mill - "7,000 ft"

Chiricahua Mts. A.T.

5726

39 Aphelocoma var arizonae 12.3 X 19. ♀ juv

5727

40 Picus var. harrisi 9.1 X 15.6 ♂

5728

J. brown. Pines. Common.

5729

41 Picus huttoni 5.2 X 8.5 ♂

Dark brown. Scant Oaks. Not particularly rare here and in Southern New Mexico in March, April and May, in which months I also found them rather common in San Diego Co. Cal. Apparently found only in mountains. I took a nest and four eggs near Ft Bayard N M in '76.

5730

42 Picus stricklandi 8.1 X 14.3 ♂

5731

43 Ditto 7.9 X 14.2 ♀

5732

44 Dendroica olivacea 5.7 X 9. ♂ ad.

5733

45 Ditto 5.4 X 9.2 ♂ ad.

5734

46 Ditto 5.2 X 8.5 ♀

5735

47 Ditto 5. X 8.3 ♀

14 Mch 81

(Morse's Mill.) 7000 ft

Chiricahua Mts

It is a little singular that the first Dendroica to make its appearance is D. olivacea. They were in Pines, Actions like D. occidentalis. Note a "chirp" repeated once or twice a minute. Were searching the bunches of pine leaves (usually at the extremity of the branch) for insects, of which their stomachs were full. I dk, bin. Although they were not very far from each other I saw no two ~~at~~ together in the same immediate neighborhood.

5535-

48 Lophophanes wellweberi 5x8. ♂

5736

49 Ditto

7.9x7.6 ♀

The first pleasant day for some days.

16 March 8/

(Mossy's Mill)

Chiricahua Mts A. T.

5737

50 Vireo luttoni 4.9 x 8.1 ♂ ad

51⁵⁷³⁸ Pealtrifrons plumbeus 7.5 x 6.2 ♀

Iris straw color,

52⁵⁷³⁹

Ditto. To C. B. Cory 4.3 x 6.1 ♂

Iris brown

5740

53 Ditto 7.5 x 6.2 ♂

I. brown

5741

57 Ditto 7.5 x 6.2 ♀

I. straw color

55 Ditto

7.5 x 6.2 ♂

5742

I. dk. brn.

Found a large flock of these.

Tits; numbering probably twenty individuals. They were accompanied by two or three L. wollweberi, a Kinglet and the Vireo, and a couple L. var. aculeata.

5743

56 Lophophanes wollweberi 5.1 x 7.7 ♂

57⁵⁷⁴⁴

Sphyrapicus thyroideus 9.1 x 16.5

vs. S. phumma.

16 Mch 81

(Morse's Mill)

5745

58

Junco (cinerus) 6.3X9.1 ♀

(59) Ditto — L. C. B. Cory 6.2X9.2 ♂

5746

Iris golden yellow.

Yesterday was another stormy day with an inch of snow falling during the forenoon and which was all melted by sunset. I did not attempt any collecting during the day, but mended harness &c

Today is not very pleasant and I should have had poor success if I had not found the flock of tits.

5747 Melanerpes formicivorus 8.9X17.2 ♂

5748 61 Sialia mexicana 6.9X12.9 ♂

(62) 62 ^{Ja. Allen} Junco (cinerus) 6.5X9.7 ♂

63

Ditto

6.2X9.2 —

5750

Sexual organs destroyed by shot. Probably ♀

Iris golden yellow.

17 March 81
Chiricahua Mts.
(Moise's Mill)

575-1

64 Pipilo var megalongx 29X11.1 ♂

Food, Food insects & seeds
Another sad day. About
three inches of snow fell
this forenoon. Have hardly
heard the sound of a birds
chirp all day.

18 Mch 81

Chiricahua Mts A. T.

(Morse's Mill)

5752

65

Parus meridionalis? 5.2 x 8.5 ♂

Iris dark brown, Insects,

As near as I can make it out
this is P. meridionalis but I
may be mistaken. I saw
another with it (probably a
female) but after shooting
this I did not see the
other again, and supposing
this to be septentrionalis I
did not look for the other
as I cared for only a single
specimen of common species.

This was up a cañon about
half way to the summit
from the mill. My attention
was attracted by its note which
was like that of septentrionalis

It was in an Oak when first
seen but flew into a Spruce.

The only Parus I saw in N. M. were
a very few P. montanus

18 Mch 81

Chiricahua Mts A.T.
(Morrill Hill)
(Mexican)

5753.

66 Centurus familiaris 4.8 x 7.1 ♀

Edk. brown. Insects.

This and a couple others
taken here last season
are all of this species I
have seen west of the
Missouri River. Bro. H. Readdy
wrote me that he found
them breeding near Santa
Cruz Cal^a where he took
their eggs.

5754

67 Junco cinereus 6.2 x 9.2 ♀

68 Ditto. 6.4 x 9.6 ♂

5755

This has been a pleasant
day overhead but very
sloppy underfoot. Most of
the snow melted off today

19 March 8/
(Morse's Mill)

5756

69 *Saltriparus filumens* 4.3X5.7 ♂
Iris dk. brown.

5757

70 *Lophophanes wollweberi* 5.1X7.6 ♂

5758

71 *Aphelocoma* var. *arizonae* 13.5X20.1 ♂

72 ^{Y. J. A. Allen} *Dendroica olivacea* 5.4X8.9 ♂

73 ⁵⁷⁶⁰ *Sitta pygmaea* 4.3X7.7 ♀

74 ⁵⁷⁶¹ *Sitta* 4.4X7.8 ♀

I. dk. brown. Not very common ^{as mentioned on} here.

Today has been very pleasant but the birds do not come in very freely. The above represent five hours search and I found nothing else worth shooting. Saw two Deer.

20 March 8,

Chiricahua, Ariz. A. J.
(Morrill's Mill bar?)

5762

75 Turdus migratorius 10X167 ♂

♂. dk. crown. Good insects,
not common. I have seen

5763

about a dozen this winter.

76

Lathrohanes wollweberi 79X76 ♀

5764

Chondestes olivaceus 82X80 ♂ juv.

As I was watching this Warbler
it flew down abruptly, trying
to catch a falling insect but
failing to catch it before it reached
the ground it lit on the ground
and picked it up and im-
mediately flew back to its
old position. Sang a few
low notes.

5765

78 Catherpes mexicanus 88X63 ♀

5766

79 Cinclus mexicanus 79X21 ♂

♂. brown. Insects.

This is the first bird of this
species I have seen in Ariz.
They are rare in the area.

(Morse's Hill)

Sumner and Mrs. Galt, and I did not find them in southern New Mexico although the cañons of the upper Gila is suited to their habits.

My attention was called to the song of some bird, sounding from the mountain brook in morning past came. I thought at first it was the song of some Mocking Thrush for it sounded very similar. In looking for the author I found the sound came from behind some willows at the water's edge and observing ripples in the water as if some bird was bathing, was still more puzzled as I could not see the bird.

Morse's Mill)

and he thought of its being in
England did not seem to me
as I had never heard their song
just across the brook was a
steep rock wall and the
sound reflected from it mingled
with the purring of the brook
was deliciously sweet all
the more so as it was a very
pleasant afternoon.

^{short} songs were several and
repeated with short pauses
between and sounded at first
as if they were imitations but
I soon came to the conclusion
that they were original.

They were so low that they
were not audible more than
a couple hundred yards at
most. The shot wounded
the bird in the neck

(Morse's Mill)

but did not disable its wings
yet it seemed unable to rise
from the water, in my
approach it dived repeatedly,
using its wings for propulsion
under the water. The man
above hurt me on it, and as
the air clung to the plumage
it looked like a ball of
silver flying through the
water as a bird does in air.
On the surface it paddled along
very much like a Phalarope.
The flesh was dark colored and
tough and smelt fishy. The
inside of the skin looked as if it
might be some small wader,
being unlike that of any other
Oiseau I have seen in appearance.

21 Mch 1

5767 *Chiricahua* (Morse's Mill)

5768 *Aphelocoma* var. *signata* 1312284 ♂

5769 *Androla olivacea* 5.7 x 8.5 ♀

5770 *Turnus meridionalis* 5.1 x 8.5 ♀

5771 Ditto 5.1 x 8.5 ♂

These last three birds were in company of a black *A. pygmaea* ^{in pairs} on a high ridge near the summit. I heard one of the chickadees utter the "notes" "Che-wu-wu" several times. Saw no others.

5772 *Setophaga* *hista* 5.6 x 8.2 ♂

Red-brown. Insects.

First one seen here this season. They were rather common in restricted localities in this cañon last April. I also found them in N. Mex. in 1876. Heard the note "Pup" uttered occasionally. Insects.

5772 *Turnus* (insects) 5.7 x 9.6 ♂

23 Men & 1

Chiricahua, its drift
(Morris Mill)

5773

86 *Lophochamus wolloschkei* 5/18/2 E

87 Ditto

5776 ♀

5774

Took a couple hours hunt
yesterday in the morning
and found nothing. Seemed
to start & quit it and
repaired wagon &c to have
everything in good order so
when birds were plenty I
would not have to stop
to do it. Got through today
about noon, and looked
around a little but found
birds were still scarce.

If they do not come in soon
I will move camp to the
foot of the hills and see
what is to be found there.
Weather is gloomy and threatening
hard rain & we are
night.

5775

No. 9. *Plummer* (Morse's Mill)

88

5776

86 *Francolinus californicus* 65712.1 B

It was sitting on the edge
 of a road. Time 10 a.m.

It started about once a second,
 another but failed to find
 it. The only others I ever saw
 were a flock of five near
 Hayward's in 1878.

5777 To reach end of

5778 *Dendroica viracata* 21 x 8.5 8/10

5779 To F. Stephens 5780 Bad

5780 To C. B. Cony 5781 0

5781 To C. B. Cony 5782 7

5782 To 5783 7

5781 I saw a flock of these warblers
 this morning. High up a steep
 mountain side. They were riding
 along northward. As it was
 difficult climbing, and they
 were not used to short
 range hunting.

24 Feb 81.

(Morse's Mill)

5782

5 *Pyramus* var. *macroleptus*. 12.1 X 17.7 ♂

5783

5 *Pyramus* var. *macroleptus*. 11.9 X 17.2 ♀

5784

5 *Pyramus* var. *macroleptus*. 12.1 X 17.8 ♀

These *Pyramus* are common in the forest with the monarchs, but are wary and difficult to approach. Usually when they see anyone in pursuit they fly from the top of a tree to the lower part of one a little further away and commence jumping higher from one limb to another and on reaching the top immediately fly to the lower part of another tree to repeat the same maneuver. If one can follow fast enough to get within range before they reach the top of the tree

(Morse's Mill)

they happen to be in one
 row, and about 100. They
 must have missed the trunk
 of a tree or some other cover-
 place. Particularly fortunate
 to get them today, but a
 flock were coming down to
 drink and I got the front
 of them.

They are noisier and have
 quite a variety of calls,
 some of them being very
 harsh. Think the species
 is more shy here than
 in most mountains.

The day has been clear.

and birds are in the mood.

5785

48

5786

Myiadestes townsendi 85 X 121*mus mexicanalis*

5787

ditto

were with a flock of

singing.

♀

♂

5788 (Mora's Mill)

5789 *Arctostaphylos* ♀

5790 *Arctostaphylos* 3.3 3.5. 6.2

5791 *Arctostaphylos* 3.1 3.5. 6.2

5792 *Arctostaphylos* 3.1 3.5. 6.2

5793 *Arctostaphylos* 3.1 3.5. 6.2

793

Arctostaphylos 3.1 3.5. 6.2

5794 (Morse's Mill)

107 *Pipilo* var. *magdalenae* 56x38

Red-bellied black, and
dark ash. Brown in throat

usually above change. Fine
variously of calls some harsh and

other similar to that of a Cat-
bird, another, when sitting in

tree, "Tuck Tuck-tin, Tuck-
scratches in the leaves. Resides

5795 58 *Junco dorsalis* 65x45 ♀

St. Louis 1st as directly yet
cinereus.

5796 109 *Cyanurus* var. *maculatus* 117x77 ♀

5797 110 *Stonaxa* linea 76x85 ♀

5798 111 *Lilto* 52x86 ♂

5799 112 *Lilto* 53x85 ♂

These birds were taken
in the same place as the

5800 113 *Junco cinereus* 62x98 ♀

5801 114 *Ammodramus coronatus* 53x87 ♀

5802 115 *Ammodramus coronatus* 53x87 ♀

22 Nov 18

(Morse's Mill.)

5802

Corvus mexicanus 12. 8
Dark brown. Stomach contained
a quantity of ants. Common
in all timber. Large. This
one has paler wings and tail
than usual, and also has in
some places of red on the neck.

5803

Corvus mexicanus 6. 9 x 2. 8 in
Very rare on this side of the Mts.

Still pleasant weather

and a fine view of the mountains
from here.

5804 *iricallina* at. 512.
 117 *Norse's Mill*
Par. brecaudi 581/17.2 ♀

28 Feb 81

5805-
 118 *no hutton* 5.87.4 ♂
la gaur
 5806 *la gaur* 5.7.2 ♂
 5807 *la gaur* 5.6.5.7 ♂
 5808 *la gaur* 5.8.1.3 ♂
 121 *la gaur* 5.8.1.3 ♂
 5809 *la gaur* 4.2.1.9 ♂
 122 *la gaur* 4.2.1.9 ♂

la gaur 4.2.1.9 ♂
la gaur 4.2.1.9 ♂
la gaur 4.2.1.9 ♂

Q m 1

viciniana (L.)
Morse's Mill.

5810

♂ *apricinus* var *michauxii* 22x45 ♂ juv

5811

♀ *meridionalis* 21x40 ♂

White & white sufficiency lines

to so much like *P. montanus*

that I mistook it for one.

5812

gillii (to C. B. Cory) 22x32 ♂

5813

canadensis 60x48 ♂

5814

thibetensis var *arizonae* 31x20 ♀

5815

♂ *chrysomitris* *lincolnii* 40x36 ♂

Took a train to the top of the

ridge today to see if birds were

higher up on the ridge

than they were on the valley

the birds were not there.

As soon as I saw the

locality, I saw the birds

of birds I saw more down

the canyon, but the birds

there were a few days.

30 In vol 88

Arizona, Nov. 1892.

5816

129

5817

130

Picus arizonicus 8.7 x 7.2 ♂

Chrysomitris aestiva 7.5 x 7.8 ♂

Brown. Not seen later. Not very common except in the localities. I can hardly make out any differences from the *arizonicus* and have found but very few that answered to the description from Arizona. *Calocitta* are almost identical with those from N.M. Baird's *arizonae* being from the "Copper Mine" line within ten miles. The winter over a year, collecting most the time and failed to go even a very short way Arizona. I have more in question *C. tris*.

131
5818

Chrysomitris 5.1 x 8.1 —

W. M. Baird
Nov. 1892

30 1/2 1/2 1/2

5819 E. B. Cory

Chilicoma var. *arizonae* 12.5 x 1.5 7

5820 Ditto 13.5 x 1.5 9

Followed down the cañon four miles this morning. Found things at least more plenty. Got here too late to find good hunting as I usually can find at least twice the birds from 8 to 11 a.m. as in the same time in the afternoon. In the morning birds seem to be on the move and are noisy compared to the balance of the day.

5 rich

Caprimulgus *ill.* *viz.*

5821

34

5822

19

5823

5824

37

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Caprimulgus *ill.* *viz.* 128. 57 ♂

Section. To see my dog, not there,
and in the same way, ready to
go with the bird whiffed over into
the next gulch which happened
to be about 80 yards away.
Looking then I first flushed
the male and missed him clean
as he wound through the thick
brush. He rose within six feet.
Going a few feet further the
female rose, and sharpening
in a direction that was
a little clearer of brush I got
her. Each time each flew they
uttered a low whistling "wuuu"
The quavering note combined
with the sudden rise so close
does not help steady ones aim,
"light" swift. I did not see the
male again. Looking through
the brush with some 10 pounds of Cat and
underneath, tall "acatom" grass, Rocky.

31 March 1881
Chiricahua ... *Ariz*

5825

138 *Penicillia* var. *concordi* 5.0 3 ♂
 found in bush on the summit of
 high ridge.

5826

139 *Stropharia* *hiela* 5.6 x 3.7 ♂

5827

170 *Stropharia* *huttoni* 5.1 x 3.7 ♂

5828

171 *Stropharia* *caniceps* 6.1 x 3.3 ♀

5829

172 *Stropharia* var. *arizonae* 2.7 x 2.3 ♂
 found on *Pinus* (or *Quercus*)

To C. B. Cory.

April 81.

To Gordon Phummes

5830
43) *Picus stricklandi* 7.7 x 4.9

Found lay in two or three weeks

5831

44

5832

10

Ditto

8.2 x 4.8

Hypocis ar. albus 5.7 x 4.8

5833

5834

5835

78

Colaptes auratus

7.1 x 3.8 ♂

Ditto

7.8 x 2.2 ♀

Ditto

7.7 x 6.7 ♂

ish. brown. flying and catching small insects and a few small caterpillars. First seen this season. The *Colaptes* is not

5836 range high in the mountains

5837 *Dendroica nigrescens* 5.2 x 7.1 ♂

5838

5839

5840

3

44

Ditto

5.1 x 8.1 ♂

Ditto

5.2 x 6.1 ♂

Ditto

5.2 x 8.2 ♂

Psaltirius

4.5 x 6.1 ♂

Salix

Salix

Salix

Salix

5842

105

28. 1881
 28. 1881
 28. 1881

55

♀

The black tips to the feathers at
 the sides and back of the neck
 are absent, giving them a
 peculiar gray appearance.

5843

106

Circus stricklandi

7.8 x 7.0 ♂

Length the tongue and tip of
 the bill.

4 April 81

Sulphur Spring Valley

5844

107

Pooecetes villinatus

5.8 x 8.5 ♂

in a moist meadow low down
 is found; not in grass fields or
 mountains. Rarely gregarious as
 more than half a dozen are seldom seen
 together. It is abundant in the
 grassy meadows of the
 mountains. It is not
 common in the
 mountains.

5845

108

Pooecetes gramineus var? 6.2 x 7.0 ♀

It is brown, and is
 common in the
 mountains.

5846

in the morning 5.3 X 7.8 ♀
 on the ground, 1/2 mile
 from the mill, 1/2 mile
 from the mill, 1/2 mile
 from the mill, 1/2 mile

Today we went to the mill and
 found a large number of Sparrows
 nesting here at the mill. We
 carried with us a net, 1 mile east of
 the mill, and 75 feet of the mill.

As there are large numbers of Sparrows
 nesting here at the mill, I will lay
 out a trap and take a few.

5 April 81

10 Miles East of Tombstone Ariz.

5847

Spizella ar. breweri ♂

5848

Sitta ♂

5849

2

Sitta

5.3 X 7.5 ♀

5850

Sitta

5.3 X 7.5 ♂

Sitta ♂

I. M. brown. Birds at the mill.

Today we went to the mill and

found a large number of Sparrows

nesting here at the mill. We

carried with us a net, 1 mile east of

the mill, and 75 feet of the mill.

5851

Sitta ♂

6.5 X 10.8 ♂

5852

165 *Phaeocephalus cinerascens* 5.8.27 ♂

brown. Common in timber along
streams and valleys, not in hem-
lock timber of mountains.

5853

166 *Tachyrhynchus villosus* 5.8.27 123 ♂

light brown. Found in
timber and in open fields,
very common. Seen in
valleys along streams & valleys
not a cactus brush like the
cactus and *Perdix*. In
open on the ground and
in trees. The numbers 123

5854

167 *Poiochilus* *cinerea* 5.8.27 ♂

5855

168 *Empidonax* *in* 5.8.27 ♂

dark brown. First seen in
spring. There but two or three in
valleys. There are but few trees
here and scattered and those
seen in 1. M. were in a similar
locality. Heard a sharp "chip"
like piping.

H.C. A. Cory

Feb 8.

10 miles away from town

5859

Empidonax hammondi 5.7 x 8.7 ♀

5860

Empidonax bacurus 5.8 x 8.9 ♂

5861

Zenaidura macroura 11.2 x 16.4 ♀

74

Black throat. Legs dark red.

Very abundant here.

Borrowed a horse and moved a couple miles north to the nearest house, and could leave my wife then until I could find another horse.

5862

175 Chondestes hayesii 7.2 x 11.8 ♀

Black brown. Common in grain, perching on weed stalks. Also frequent timber. Found singly.

5863

Myiarchus cinerascens 8.6 x 2.3 ♂

5864

Pipilo maculatus 8.8 x 1.9 ♂

Common in rocky localities in grain & valleys. Not in high grain. In brush, nests & eggs.

5000 ft. 13.000

8 April 81

5865 1 Miles East of San Antonio.

78 *Centurus uropygialis* ♀. X 159 ♀

Black, brown. Bill black,

Legs pale, with a green

reflection from the larger

feathers. This is the

furthest east I have

seen two species, did

not find it on the upper Gila.

Frequent mesquite trees and the

Giant Cactus. The latter are

not found this far east and

the mesquite are low brush

here. This bird was in Oak and

Walnut trees which are very

sparsely scattered along this

arroyo. We are now within a

mile of the divide between

the Gila and the Colorado

river, on the Sonora side.

San Antonio is on the Gila side.

Prairie with very low barren mts.

5 miles E.
Gila river
head nearly

5866

vine bark

m

~~sayre~~

8/12/12

5867

Dark red

6.22

in light

5868

Pinus virginiana

8/13/12

... common in summer
in wet places... but a short
distance up the hills of
high mountains. Abundant
around streams in southern
part of... for quality in quality
of... very good...
small fruits in orchards.

Swallows and hummingbirds
have been working yesterday.

5869

was a day or two out

1000

With "Poo wee"

number on neck
very fat birds. Found many on
the ground and others in bushes
singing. not a pair. but single
difficult to get. saw many more
on ground bushes.

April 8/

2 miles East of San Juan N.M.

5870

83

5871

Salpinctes obsoletus 2.3 x 1.4 '6'

Spizella breweri 2.3 x 1.4 '6'

Bill dark above
under. Some below. Legs
dark. Feet dark.

Some birds in nest.

Found one much. It was

in a little patch of the song.

in an arroyo.

872

85-

873

86

Salpinctes obsoletus 2.3 x 1.4 '6'

Spizella breweri 2.3 x 1.4 '6'

Bill dark above. Under
below. Legs light brownish
darker. Killed its mate.

The same shot but it is smaller.

18, April 8

Combustion viz.

5877

20

Calmodiza bicolor 4.7X11.1 8

ad. imm. bill dark horn
above light brown. throat
brown. throat contained
food and seeds. First seen this
season. Several flocks seen
during the day. not all had
white under males in full
breeding plumage. Many were
in various stages of moulting.
Plumage making for flocks
look very multicolored.
Migrants here only.

Succeeded in purchasing
and horse yesterday
today we rode with a
from San Pedro, crossing
San Pedro river nine miles
from San Pedro. The riding
route to San Pedro
is a very good road.

35. $\sin 10^\circ$ or $\sin 20^\circ$

5478.

41 220 *harissum* 63x21.8

I think will keep this
 year as before. Less than a
 month ago I saw a
 species today migrating.
 I do not think they will
 stay to breed on the plains
 as I believe they do breed
 in the mountains.

Above 20 miles, soon after
 starting the brush gave
 way to grass and later in
 the day we reached the
 north end of the Mt. Ketst
 Mountains passing through
 a timber of Great Oak which
 further on lower down
 on the slope was replaced
 by Mesquite in scattered
~~timber~~ streaks along the
 washes, there are now

Oak timber is confined to the lower slopes of the
 mountains again, the are now
 at the extreme eastern edge
 of the eastern desert, and nearly
 all the great regions, we
 already seen a few Cactus trees
 but we soon are well likely
 find *Harporhynchus* abundant
 scattered all over this desert
 are Mesquite trees some times
 forming groves. Small Mesquite
 is about the size and form of
 a very old apple tree, it does not
 spread out quite as much as that
 the usually does, it is deciduous
 now budding on foliage very green.

No 4. Plummer.

5879	<i>Dickensia</i>	85, 12, 11	♂
5880	<i>Tilia</i>	8, 11, 12	♀
5881	<i>Quercus</i>	10, 11, 12	♀

Cinem. a.

5-10-1888

5882

190. *Cachyocinetus bicolor* 0.7X0.8 ♂

Common in the migration.

5883

191

Cinem. scalaris 0.3X0.3 ♂

5884

192

Helminthophaga lucida 4.1X6.4 ♀

Dark brown. Bill black. Tarsus black. I saw the first of this species ever saw. Was in a patch of large willows (no undergrowth) on a brook at the mouth lower end of the cinema. I mistook it at first for a *Foliophaga*, which species it actions somewhat resembled. It acted somewhat like a Kingbird feeding up in end of the cinema. Reactions not shy. Heard no note.

Insects.

5885

193

Spizella breweri 6.1X0.1 ♂

5886

194

Spizella breweri 5.9X0.2 ♂

5887

195

Spizella breweri 6.1X0.3 ♂

5888

196

Spizella breweri 5.5X0.1 ♂

of limestone strata above are
exposed to the surface by the be-
rock, probably in former times a
pond or lake as shown above
the surface is filled by the action
of sand and dirt and now for
more or less a north, covered
with grass and shrubs, though
the cotton-wood, in stream are
more or less willows, the cotton-
wood where we are camped. The
stock have lost the summer
fatten down, winter down the
fatten. The ground is soft
the cotton-wood, a willow, a
here common. The road is full
to slope before reaching, no cor-
re, though a little revision is
we can have over the day
it is a mile to the river, the
R.R. passes through the canyon

2, 2, 2, 11, 15, 9, 1, 1

[illegible]

will look bluish at

1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 25

1871

1000 miles 1881

with brown bill dark above, pink

relative matters and various in

from a look at twin usually

from the ground in direct

I have not been back in town

6 1/2 x 8
 2 1/2 x 1 1/2

5893

Helminthophaga L. c.

7.7 x 6.5 ♀

5894

To G. F. Stephens

4.5 x 6.0 ♂

5895

4.2 x 6.6 ♀

It is much like the Kinglet. I heard the note "chick".

5896

To C. B. Cory Cassini

5.3 x 8.7 ♂

ter below. Leg. dark bluish.
 Common in foothills. Breed, but have never seen their nests. That one seen this season.

5897

5.7 x 8.5 ♂

with brown and black. I have seen the eggs. I have seen the migrations.

5898

Empidonax hammondi 5.7 x 8.5 ♀

Bill & legs dark brown.
 Common. Breed. Flow of flight.

so marked on
original label

5899

ycineta

4.15 X 11.8 ♀

5900

Occ. non. High swift.

phryganus lavieus 4.2 X 6.4. ♂ (the
egg and eggs are like)

Common in brush and woods
not far from streams. Nest
cup-shaped, with hole in
the side. Nests in a bushberry

5901

nest is common.

passini
heros

4.6. 1. ♀

5902

Pipilo chamms

7.7 X 9.7. ♂

5903

Polioptila caerulea

5.5 X 6.6. ♂

16

Keenly living to night and
occasionally living the day
with thimble and some hair

5904

Dr. H. B. Henshaw.

Leptophaga luciae

7.3 x 6.5. ♀

5905

Q. H.

31Xp.6 ♀

11

Berkley is rich.

0.7 km²

. brown, Bill black, bluish under.

Days pale brown. Abundant along
streams. Small to

5907

Cyrtopogon mexicanus A. N. S. P.

5-908

11/2 in. Pile 3

pileolatus

dark above, light below

3709

1968-01-26 1968-01-27

4.61 x 3.47

This one and three others were fly

from the marsh but on a

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

[Faint handwritten notes]

5-910

... being, like a - ...
P.L. ...

1000

Chlorophyll

Drove half way to Inceps

18 April 81
Tucson Ariz

5911

227 curtham flaviceps 7.3 x 6.7. 6

Killed this bird soon after
making camp (about 11 A.M.)
and drove into town for provis-
ions and on my return about
2 P.M. I found the flat-tiers
were already a little loose
on the belly. This is a very
warm local locality.

5912 To C. B. Corp

25 curtham flaviceps 7.7 x 6.7. 6

5913

226 curtham flaviceps 7.7 x 6.7. 6

The road yesterday afternoon led
across the cañon a couple miles
then took to the plain on the further
side of which lay Tucson. The
grass some gave way to various
kinds of cacti except the giant
Saguaro and low shrubby
mesquite. Among these the
Leptochloa and Leptochloa
Leptochloa were plentiful

also saw some Sparrows, I
knew they would avoid me
I could attend to them I killed
none. As we had no means
to carry water for the horses
we could not have stopped
if we had wished, as they
went all the afternoon and
night and most of the fore-
noon without water as it was
In this part of the desert
I saw many ground Squirrels
and the common Black-tail
Jack Rabbit and another kind
of Hare I have never seen
elsewhere than in the neigh-
borhood of Tucson. It is known
here as the Antelope Jack
from its resemblance in color
to the Antelope. It is rather
larger than the other kind.

with a remarkably shorter
hind legs, almost white
on the hind quarters.

Red in bark and tough

One I killed yesterday
weighed eight pounds.

A few miles before reaching
meson a low stretching
shrub covered all the
ground, and continued to
meson. On the birds were
very scarce.

We have been coming
down hill nearly all the
way from Tombstone, and
as the altitude decreases
the heat increases, so there-
fore the Mesquite, Acrotillus
&c are in full leaf.

Of course with the change
of climate and vegetation

the species of birds have
changed also greatly.

^{7 Perhounce 700 sin.}
Tucson is situated at the
sink of the Santa Cruz
River, which heads near
the Mexican line and runs
toward the Sea but all
trace of a channel even
is lost fifty miles before
reaching the ocean.

The town was settled somewhere
about 1750 and was built in
the usual Mexican style, of adobe.
Since the advent of the Railroad con-
flict and frame buildings have been
built but even yet the majority
of the inhabitants are Mexican.
Its principal trade is with Mexico.
There are several wholesale firms
carrying heavy stocks. Most
of the merchants are foreigners.

There are a number of small ranches
typical both above and below town
wherever there is sufficient water
for irrigating. Interpersed among
them are patches of *Yucca* ^{or} *Saguaro* cactus
which here is of the largest growth
with which I am acquainted
forming quite a forest though
it would look insignificant
enough in an eastern arid
country. Santa Cruz is here even
smaller than the San Pedro de
Baptista and one can jump
across that almost anywhere.
The soil of the river "bottom" is
excellent while of the balance
of the country it is almost pure
sand. The heavy growth of *Saguaro*
is only in the good soil. West
of town is a range of volcanic hills
on which grow the Giant Cactus

1. 3rd 8
Piceon viz.

5914

227. *Spizella monticola* 2. 12. 75 A
P. Piceon. Bill pale horn brown.
Legs pale brown. Feet same.
this season. ~~See~~ Saw none last
year. Took several on the Rio
Grande from Albuquerque to
Mesquite in May 75 also seen
on the river in N.M. in May
and June 76. Song weaker than
P. hepaticus but very similar
Insects. Skin very tender.

5915

228 *Helminthophaga lucida* 2. 12. 75 ♀
This bird commenced singing
this song. This species is very
abundant here this morning
when I caught it and to some

5916

229 *Spizella monticola* 2. 12. 75 ♀

5917

230 *Spizella monticola* 2. 12. 75 ♀

5918

231 *Spizella monticola* 2. 12. 75 ♂

5919

232 *Spizella monticola* 2. 12. 75 ♂
all two males
(were facing the ♀
and I got all
three at once)

5920

233

Pene

capulisti 57x17. ♀

5921

234

Ditto

58x18. ♂

... below. ...
 ... in bunches & ... in grass
 ... from the grass to
 ... I suppose them to
 ... it but we have no
 ... of *capulisti* ...
 incorrect in assigning the name
 insects and acids. Shot at short
 range, and the tail of 234 is
 nearly torn off. Notice the short
 claws on the hind legs of 233.

5922

31

Pene ...

56x17. ♀

5923

36

Pene

castini

56x17. ♀

5924

37

Cnephidomyx

hammondi

59x17. ♂

5925

38

Pene

c. ...

70x30. ♂

... & ...

5926

39

Pene

... 24

11.8x19. ♀

5927

40

Pene

... 24

10.8x17.1. ♀

20, 1881

Nov 19

He is "hills" this morning to
all what birds were there. First seen
and killed a Geothlypis macgillivrayi
in brush in an arroyo, then ~~near~~
a little further ~~on~~ Phoenicurus even
flew up, it followed it some times
could not get within range.

Came first brush from the edge of
river bottom was the striking erect
brush but presently I came to the
made ^{of green willows} a shrub with high green leaves
and now bare of leaves which are
retained only a portion of the summer
and are then exceedingly scarce. A
little further on the Giant Cactus
came in and were more or less thick
scattered over the hillsides. They
not very thrifty in the volcanic
soil ranging ~~in~~ ^{from} ~~one~~ ^{one} ~~to~~ ^{to} ~~four~~ ^{four} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~hills~~ ^{hills}
Heard a Thryothorus in a hole in
his Cactus and in kicking

against it. The flow on the sand dunes
was a continuous one, and I
have been on a number of occasions
means of getting at it. A little
further on I saw the back of a *Colaptes*
chrysoides sitting on a hole, and
shot it. It flew up and fell on the
ground, proving to be an incubating bird.
The next was a *Sitta* of the way
to the top of a tall *Quercus*
without ~~any~~ arms and there are
thousands of *Thorns*, saying keep
away. I did not attempt to get
up. One would need to be clad in
armor to attempt to climb one. I
have heard that the thorns will
burn off by ~~building~~ building a large
fire at the base but I could find
nothing to make the fire of and
had no climbers if the thorns ever
burned off. I saw one *Colaptes*

29. Jan 8
Green Bay

Sturnella in finally, saw one but
failed to get a shot. Saw a pair
of more billed Thrushes in the stick
bush in the arroyos. Found many
Pecillas in bloom and expected
find Humming birds about them
but saw none. Saw several Colyris
virgata but they are very shy.
Saw and killed a Pyrrhuloxia sinuata
among the Pecillas on a hillside.

Saw a number of Campylorhynchus
burnsianus. Saw many Pooecetes
lineatus, also a few Amphispiza flav.
and Helminthophaga luciae and
seem to be so abundant as to merit
take to the hills for soon. Heard
Polioptila on trees. These with a Pooecetes
acutatus ^{frontalis} I believe include all the
species I noted away from the
main camp night.

20 April 8

Carson, N. Mex.

5928

241 *Geothlypis macgillivrayi* 5.1 X 1 ♀

I. dk. brown. Bill dark brown. Legs pale. First one seen this season. One other seen. Not common here or in southern N. Mex. Common in the mountains & within belt of desert.

5929

242 *Pyrrhuloxia sinuata* 8.6 X 11.3 ♂

I. dk. brown. Bill yellowish horn. Legs pale brown. First one seen this season. Mch 80, I saw several in brush fences and among mesquite below Tucson two or three miles N. of Tucson, Ind. Co.

5930

273 *Colaptes auratus* 11.6 X 18.7 ♀

I. dk. brown. Bill black. Legs greenish. Shot at the mouth of its nest. It flew out and fell on the ground. Lying. I have never seen this species alight on anything but the nest. (Carter)

2 April 8
Lecion Aug

Their distribution undoubtedly
confined to the region where the
Giant Cactus grows, and they are
probably found wherever it is, (I
coming from Cal. by the Mojave
route in 81 we found the first
Giant Cactus on the Big Sandy
a tributary of the still William
river, and saw the *C. chryseoides*
there, in going down the Delta
We saw the last Giant Cactus
thirty or forty miles this side (east
of Yuma), but they were a mile or
so away so I don't know if
C. chryseoides were there or not.
They are fond of sitting on the top
of the Cactus. I can tell no differ-
ence between their notes and
those of *C. mexicanus*. In a
general way their actions are
all as usual, contained as usual and in

5931

17. 10. 1907

It comes to a certain point of
the journey, these are numerous
in the morning air, some of some
kind of animal, some species of small
flies, but recently had not been
in motion. Keeping on the road
and will again for several days.
The set is complete, the
flies had not increased in
number to find the road.
Have the route also for some
time. The road is the same as
the road in the same place.
The flies from our eyes are
numerous, to a other and a
hundred, and they are
repeated it when the flies are
quench. The flies are in the air

20 'il 8

Falcon 1 2

Falcon like. Cry. "Cruc" very low
and sounding at a distance like
that of a Pheasant. ^{off} Come here
after today.

5932

270 *Amuricus flaviceps* 73x6.8 ♀

Bought on nest 4. 24's, on egg but

5933

270 *Porphyrio melanotus*? 12.2x4.3 ♂

Somehow this is not as
like var. *melanotus*. The colors are too
much faded and blended in a
pearance. We have no specimen
convenient for comparison and only
speak from memory of their
appearance. Has not as sharp
line usually found var. *melanotus*.

Bill black. Legs brown.

5934

270 *Centurus uropygialis* 10.1x16.7 ♂

5935

270 *Amuricus flaviceps* 73x6.8 ♂

5936

270 *Colaptes caeruleus* 78x10.6

is not as the only 270

line, etc.

to Gordon Phum.

2 April 8
"medium" size.

5937

50 *Merula migratoria* 17.7 x 34.9 ♀

Was looking for the nest of 244
and found one with this bird sitting
on a limb above it. When it saw
climb the tree (a tree in the field) I
had a set of eggs. In reaching
the nest I found it to be empty.

It was in the nest and had no
eggs visible. It was completely
belongs to this female. She evidently
would not have laid for some
days. Searched further for another
nest but found none. It was in the
nest of this species near where I
shot 244 yesterday. It likely is
to mate. Stomach contained hair
and fat &c of mice?

5938

51 *Harporhynchus* 128 x 26 ♂

5939 light gray almost white. Musquit.

52 *Circus cucullatus* ♂

5940 *Falco* 3.2 x 1.8 ♂

21. April 81

W. W. Henshaw

5941

254

5942

255

5943

256

Little

Little to C. B. Cory

7.3 X 7.1 ♂

7.5 X 7.1 ♂

7.2 X 6.6 ♀

Little was seen in the field
his species is the most abundant
of any, seen in the meadow.
Their jump on all sides all day
long. They seldom sing. They
move from one to the other, constantly
going into the low brush. Do not
seem to be mated yet.

5944

Pyrocephalus rubinus pileatus

7.1 X 7.1 ♂

5945

258

Pyrocephalus rubinus var. fallax

6.3 X 5.6 ♀

♀. dk. brown. Bill dark above lig
~~dk~~ below. Legs lig dk. brown.
Bill 7.5. Home and insect
yellow and red. of a marsh.
seen.

22 April 8

rearing.

5-946

45.

1 2000000000

... ..

86X. = ♀

5947

To F. Stahlman

000000

15710

... ..

7-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-10

1770

Letter to Nat. Mus.

52867 ♀

5949

12. 11. 1911

59867 ♀

6.

Pico pusillus

6, 8, 10, 12

5-950

Pyrocephalus var. *mexicanus*

5.6X Q: ♂

5457

C. cyclophastus var. *mexicanus*

56x9: 8

11-12

is *as. exenfitroides* P. & S.

P. ...

with, brown, Bill black, Legs black
with small edgings to the scutella
Generally distributed common.

1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 25

95-2

Otocorymbus var. *vicinus* O. K. B.

23 ⁸
noon.

the river a few miles
in the morning. Found several
which were Coots, a number of
Lake with three half grown young
about sunset. I shot a
one of a string of about 10
and a few Quacks. One of the
is, *Gallinula chloropus* (the
one. *G. agallus* (the light blue
- balance). one Great Blue Heron, one
one, small Rail, which I think was
G. jamaicensis, I once mounted, one
of this species for the San Diego
Lyceum. Killed one near San Xa-
bel, and shot a second one the
next day. I have no gun with me
The flight of this one was a
slow and the bird was small
and dark. This I shot near
San Xabel. The bird was well
preserved in my shoulder

2 c 100

ad 200

the 100

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100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

953 *Trochilus alexandri* 11X4.6 ad

100 100 100 100 100 100 100 100 100 100

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100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

100 100 100 100 100 100 100 100 100 100

con 1113

5954

267

only the plumbea

46x34

♂

dark brown. bill a
brown. feet brown.

5955

to C.B. Comp

granya var. coqui

82x28

♂

5956

268

cardinalis var. ignis

97x25

♂

dark brown. bill reddish, as in
the next two birds actually in
streams. Scarcely common, but in

5957

calocitta var. fallax

61x17

♀

5958

costa ludoviciana

68x16

♀

dark brown. bill dark brown, red
at base. Legs brown.

Several seen when in, near the
stream.

5959

calocitta

45x25

♀

Very active. Appears to have
finished laying her egg. It is
little more than the 1st's, and
both are not a great deal at
the time of the egg and not
the same as the 1st's.

1. because it is a natural law
to give it a law which it
leaves, and it is not
the same, and it is not

my, 10/27/44

Bill and legs black.

Lophoceros capensis

Parent of 92.

Hamantylus *Luci* 2.5.3x6.7 ♀

Dear Louisa

2000 1000 500 0

Tyrocycla var. *maxima* G. 10. ♀

Nidif: ou

517

25. 1. 1884

Agave...

5970

2535 ... 2. X 10. 4

Bill black ... yellowish ...

Legs ... This is the first ... Arizona ... common in the ...

5971 ... 284

Phainopepla nitens 2.9 X 13. 8

Bill and legs black. Not common here, I had expected to find them abundant.

They have a sweet but not loud song. They are very fond of ... berries and in this season P. nitens are scarcely to be found elsewhere in their vicinity. The berries are very scarce in N. and on the Pacific Coast.

26.1.18

1.0.02

5972

85

Myiophobus *leucis* *leucis* 11.7.18.7

Sick orange Bill Black Legs
full red. One orbital space
blue. One other more. Rather
dry. These are the first
seen so far. It is similar to
those of the Carolina Dove but
coarser and uttered as if
with an effort. Here in the
edge of the Mesquite at the
foot of a hill. The three flew
up on the hill and lit on the
top of a Giant Cactus.
Stomach contained mainly
worms and a few seeds. Flesh
rather dark.

5973

86

Vireo virginicus

5.6 x 8.2 ♀

5974

87

Ditto

5.1 x 8.5 ♂
5.6 x 8.3 ♂

T. M. brown, Bill blunt as, dark
"brown. Legs light brown. No
under. L. back. Dry. Not in nest

26 nl 81

i. n. n. n.

5975-

288.

nl 81 5.8 X 13.2
light brown, sides of legs
light brown, sides yellow
I saw several Giant Gnat
having made their holes in the
trying to find one of the birds
had commenced digging in the
one hole I found this bird, dead,
killed by the shock of the fall
afterward fell at this I thought
have the same luck but I
no more. Found ~~the~~ fragments
of the Sparrow Hawk in
one hole, all the others of it is
all empty. Would have com-
menced digging in the hole
which I saw was last a lar-
ge. It was contained insects
and the bird.

5976

284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

37 X 4.6 ?

on white & black

5977

5978

5978

5978

at the edge of the 5X3 P

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

Bill and I

5979

202 *Pyrrhuloxia sinuata* 4.12.18 ♂

5980

293 *Ort.*

2.11.18 ♂

Found a variety of notes, some of which were loud and clear and some a lower chirping. Found no extracted notes, the loudest I heard was more than two notes. Some in some

region.

5981

27 *Elanoides forsteri*

2.11.18 ♂

5982

275 *Myiarchus cinerascens*

5.9.18 ♂

Let myself be taken to the bird and with some luck I got to see it and shoot it. I could not see it several times in the night and at daybreak. I was in the neighborhood but could not see it. Since the bird was taken.

There was "Lepus" & I
 & I heard a
 "Chrysomelid". This morning
 commenced cutting down cactus
 again and after falling a dozen
 or so I found this one. Found
 no eggs of any kind.

The female was rather near
 laying than the first.

Found this one also.

After skinning this I went out
 and cut more cactus and
 again succeeded in getting
 one. On the way to camp I
 shot an Actinos cucullatus. As
 the horses were suffering for want
 of food and water, did not
 stop to skin that but have put
 more camp to the west.

983

6 Microtus albigularis 5.9 x 15.2 g

Microtus. I say where are the males?

April 88

10. 11

~~24. 11. 88~~

... by the ...
try to skin it until after
... a late dinner.

5984

29th ... 1902

...
... a little ...
... the river, about ...
... north of ...

28 11'

7/11/11

5989

302 It. tu. plagiata 163x321 ♂

5990

303 It. tu. plagiata? 181x321 ♀

I have still greater doubts of

this being plagiata.

I have p. 9. took four other

sets of this species but they are

Most of them were within 40

ft. and I get a good view

of each and could see no difference

in plumage or appearance.

and seen no males.

5991

305 *Helminthophila* *mellicia* ^{6.5X} ♀

Red & white above, white
below. Notes uttered in a

5992

305 *Helminthophila* *lagina* ^{16.5X} ♂

5993

306 *Helminthophila* *concolor* ^{12.5X} ♂

Red, notes uttered in a

5994

307 *gerkey* *manure*,

308

Cyrcopetalus var. *mexicanus* ^{5.5X} ♀

Laying.

5995

308 *What is it. Ornithion* ^{*imberbe*} ^{7.8X} ♂

Dk. brown, I & black, back
half I was somewhat reddish
brown. Legs black, notes very
shrill. Yesterday and today
heard it ten and when
got its direction it would utter
again it did on the roof
up. When I finally got
what it was, its mate was
sitting near. I was very

L. ...

4 3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 10

the size of the

was one of the second series

1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 25

it was given in 1826

wards and might easily be

Let's mistake.

22

5-997

370

Leptorhynchus crissalis 11.7x2.7 ♂

Ichneumon longicornis 75x94 ♂

I will be glad to have seen

no other in the universe is more common

1 7 8
see 2 112

5498

311 Buller's gnatcatcher 18.7 X 4.95
It was, bill black, becoming
greenish at base of the beak,
under the throat. The legs and feet
yellow, the claws black.
It was standing on a dam in the
middle of the head of an irrigation
ditch, among willows, sitting
on something to turn its head when
before me in the stream a Kutter
as supposed at the time, attempted
to catch some minnows in a shallow
place, splashing over the water
trying to catch the little fish
with its net, and saw plainly
the gnatcatcher's tail, and it was
He was ~~supposed~~ ~~about~~ to see me
and was in a hurry to get up
and, still in a hurry, to get
out of the ditch and up the
bank, and I saw him leave the

very little and for the
determine a small specimen.

I think my New Mexican
specimen has no white at
the base of the cere. This he
and the ~~common~~ Black color is
deeper, and the bases of the
feathers whiter than that.
My specimen is not at hand
so cannot compare them.
The specimen contained two large
few fish scales and feathers.
Probably not mated as his sexual
organs are the smallest I ever
saw in any Hawk of any size.

5999.

312 *Accipiter excubator* 8.6 X 10.8 ♂

6000

313

313. Oreothlypisinterbe

17.1.7.2 8

This species was sitting on the ground in the morning, singing its great little song.

"yoop-yoop-yoop-ped-dle-dle", the first half uttered very deliberately, the rest ~~more~~ rapidly. The call is "Teeer-pur-pur-pur" commencing with a high shrill note and lowering note each time. I followed one some time yesterday only to miss it at last. Its habits are much like the small "Sycat" here, but does not jerk the tail much, its shape and so far rare. I have never before seen it.

6001

124

Equus a. eric

8.9X10.9.9

Slight brown. Lill brownish horn above, black below.

1, 10, 188
10, 188

... in the ...

I feel very anxious about the
 result. I shall call a sharp whiff
 the "heard yesterday" for the
 first time. It is difficult to
 hear. It is afraid and abo-
 the evidence will be a high
 key and ^{200m} interior to now
 the former, occupying, perhaps
 ten seconds of time.

I have found this species
along the Colorado and Rio
rivers, and saw one pair in
the San Pedro, and this pair
were very anxious to be released
to the vicinity of streams in
this track, though they
spent less time than usual in
this genus. I have seen them
hunting in all in the bank of
rivers in a manner similar to

... a ...
... or rather ...
... with ...
... in the ...
... in the ...
... in the ...
... in the ...

6002

3.1 *h. ...* 53X68 ♀

6003

3.1 *h. ...* 53X68 ♀

6004

3.1 *h. ...* 53X68 ♂

3 1 1 1 1
 1 1 1 1 1

- 6005
- 31 *... ..* 9.6 8
- 6006 *... ..* 6.8 x 4. 8
- 6007 *... ..* 8.7 x 15.6 4
- 320 *Tyrannus aciferus* 8.7 x 15.6 4
- 6008
- 321 *Myi. alcyon* 11.6 x 2.2 4
-* bill black, base of
... .. eye dark. Several
 frequent this stream.
- 6009
- 2- *... ..* 5.8 x 8.1 4
-* The first seen here
 in the timber, but the
 is common in the brush about
 half a mile east. This
 must have come for
 water as she was at the
 acequia when shot.
- 6010
- 323 *Amurina flagiata* 16.3 x 2.7 4
-*
... ..
 species is quite common
 in this part of the timber

2

٢٠١٢

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

6012 g. 11.2 in. mother, 18.01.2 ca. 1999

Staph. curvicauda (11 x 7.5) ♀

3 - 6

6014

827

6017

sternina *fulva* *fulva* 165X334 J
C. brown. ^{Yellow} Bill ^{black} black.
Cere, rictus, legs & feet yellow.

5-

1882

4x4x4 4x4x4

Aug 22 1894

anna? 4X8.6 ♀

La 2 of 97, I cannot think

is all up in my own mind

Emp. traillii pusillus ♀

At the same time, it is not possible to

in stream.

2 unguicula discolor 1571045-8

2. dk brown bill black legs bill

yellowish. No. 5 was with it.

are the first I have seen for years.

14. 2. 1948

6023

336

Euphonia hammondi S. P. X. ♀

... with balanced
brown, ... back, Mesquite,

... is, I have not sufficient material
to say any of these small species
with certainty.

6024

337

Myiophobus cinerascens S. P. X. ♂

6025

338 *Colaptes auratus fallax* 6.1 X 7.8 ♀

... it, but not
will ... to lay some
... in ...

7

While climbing a tree to
... a nest ...
... ♂ however ...
... to enable me to
recognize it.

6026
20
6027 *Lat. Mus.* 1.0 1.0 1.9X2.2 ♀
6028 1.0 1.0 1.9X2.2 ♂
6029 1.0 1.0 1.9X2.2 ♂
6030 1.0 1.0 1.9X2.2 ♀
7.2 1.0 1.0 1.9X2.2 ♂

6031
6032 *Tyrocephalus var mexicanus* 1.0 1.0 1.9X2.2 ♂
6033 *G. cito* 1.0 1.0 1.9X2.2 ♂
6034 *G. cito* 1.0 1.0 1.9X2.2 ♀

6034 *G. cito* 1.0 1.0 1.9X2.2 ♀
47 *G. virginianus* var? 20.8X5.2 ♀
Parent 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

2000 1/2
1000 1/2

6035-

348 1/2, 1000 var. andulorum 219X489

... brown, Bill pale green of the
... nearly white of the
... dusky
... pinkish red to orange the
... which it is whitish
... white with a ...
... is the "Hawk"
... a note of having a
It was in company with
Turkey Vultures & Ravens in
a slaughter house. Another
said to accompany it & seem
to be a carrion feeder, and
much the same habits as
Turkey Vultures as near as I can
learn, it was wilder than
Turkey Vultures as it flew up first
... tried to approach the
... in regard
age as well as sex arrived at
from internal characters independent
of plumage.

30 1. Smith's Canyon (Calif.)

6036 to C. B. Comy.

22

[illegible]

6037

351

6038

351

6039

352

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

6040

353

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

6041

354

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

6042

355

... 23X14.7 ♂

... 10.7X15.3 ♂

... 10.4X14.7 ♂

... 23X14.7 ♂

... 10.7X15.3 ♂

... 23X14.7 ♂

12 1889

6043 Circus lateralis

3500 ft. ... 1885

... to it, ...
... black ...
... reddish brown,
... reddish red, ...
... in ...
... shot ...
... shot ...
... all ...
... flat ...
...
... of ...

6044

... 1885 ♀

6045

... 1885

6046

Pyrausta ... 1885 ♀

... black ...

... below ...

... on ...

... to ...

6052

Circus lateralis To J. Stephens

Bill above & below black, rest of head & neck black.

6053

Circus

Bill above & below black, rest of head & neck black.

6054

Circus melanolegus To J. Stephens

Bill above & below black, rest of head & neck black.

light

6055

68 *Circus melanolegus* To J. Stephens

6056

64 *Circus melanolegus* To J. Stephens

Bill above black, below dusky, rest of head & neck black.

6057

Common,

Bill above & below black, rest of head & neck black.

13 May 81

Merula migratoria m. l. c. m. g.

6058

3/1 *Contopus* var. *richardsoni* 6.4 x 10.7 ♂
dull brown. Bill black above,
dusky below, lighter at base
of mandible. Very common

6059

1/2 *Contopus* *vancouveriensis* 5.8 x 8. ♂

6060

3/3 *Dendroica coronata* 5.3 x 8.1 ♂

6061

3/3 *Contopus* *richardsoni* 5.9 x 7.5 ♀

dull brown. Bill & mandible
dusky yellowish. Mandible
& mandible very dark.

6062

3/3 *Contopus* *richardsoni* 7.1 x 11.7 ♀

~~13.2 x 20.2~~

184 11 22
March 21

6063

Aphelocoma var. *arizonae* 19.2 x 22.2 ♂

found near the ...

6064

found them ...

6065

Cinclus *hammondi* 2.2 x 2.7 ♂

6066

Cinclus *hammondi* 5.3 x 5.1 ♀

6067

Cinclus *hammondi* 4.6 x 4.7 ♂

6068

Cinclus *hammondi* 5.0 x 5.0 ♀

6069

Cinclus *hammondi* 5.0 x 5.0 ♀

6070

Cinclus *hammondi* 5.0 x 5.0 ♀

6071

Cinclus *hammondi* 5.0 x 5.0 ♀

6072

Cinclus *hammondi* 5.0 x 5.0 ♀

6073

Cinclus *hammondi* 5.0 x 5.0 ♀

6074

Cinclus *hammondi* 5.0 x 5.0 ♀

6075

Cinclus *hammondi* 5.0 x 5.0 ♀

6076

Cinclus *hammondi* 5.0 x 5.0 ♀

6077

Cinclus *hammondi* 5.0 x 5.0 ♀

6078

Cinclus *hammondi* 5.0 x 5.0 ♀

6079

Cinclus *hammondi* 5.0 x 5.0 ♀

6080

Cinclus *hammondi* 5.0 x 5.0 ♀

6081

Cinclus *hammondi* 5.0 x 5.0 ♀

6082

Cinclus *hammondi* 5.0 x 5.0 ♀

14

6070

383 *Ardea herodias* m 8.6x13 ♂
 Rather common here in the
 foothills. Also saw them
 in cotton thickets on the plain
 as we came up, so they are
 not as exclusively a mountain
 species as I had supposed.

6071

384 *Lophophanes wollweberi* 5.1x8.3 ♂

15 May 81

6072

385 *Colinus harrisi* 10x7.7

6073

386 *Pyrausta nubilalis* 2.2x2.8 ♂

16 May 81

to ...

6074

Pezomachus var. boncardi? 6.1 x 8.1 ♀

Is this var. arizonae?

Common, like *harknessi* above,
lighter pink below, legs
pale pink color, small,
two others seen high up
in the Mts. in grass & brush.

6075

388 *Myiarchus lawrencei* 7.1 x 10. ♀

6076

Pinus stricklandi 8.2 x 4.4 ♀

6076
Det. ...
... which
... to contain young. The
shell of the tree (a *Cycas*) was
very hard and I had only a
pocket knife to cut with.
Did not attempt to open it.

The voices of the young, sounded

6077 as if they might be two weeks old.

90 *Setophaga bicolor* 5.7 x 9.8 ♂

This species has a thorn like way of
examining the bark of trees for insects.
Rather common.

6078
391 *Soniaphua melanosticta* 8.7 x 12.8

Common high in the Mts.
Not near laying.

6079
392 *Centurus hirtinus* x 7.1 x 4.5
Dusky brown, white above black, be-
lows dusky toward tips. Lay on

Went to the summit of the range
to see if there were any species that
that were not here, but found
little difference. The country on
the other side looks very
Killed a Deer, Saw a suspicious
moccasin track. Found a nest
of four Arizona jays eggs near
hatching that some were double

6080
393 *Charadrius texensis* 8.8 x 22.1
6081
3 Little 8.1 x 20.

Dusky brown, with brownish black
but pale brown. A young
came past at night to
be seen. Large and so on.

6082

C. B. Cory.

Mitsch. var. *var. ha* 51X79. ♂

I. H. ... below

... black

... common in the ...

... Bay and

... note is a

... similar to ...

6083

... anna? 34X41 ♀

6084

... var. reticulata 7X10.7 ♀

May 19.

... brown. Bill black, brownish

... legs very pale

... Arizona

... Arizona

... Arizona

... migration

... trees.

6085

... 78X41 ♀

6086

... N.W. Henshaw. 51X41 ♀

... note is a

...

15 1 2 4
 Santa Rita N. Mex.

- 6087 4.7 *Hesperomys sonoriensis* 7X10.2 ♀
- 6088 4.01 6X10. ♀
- 6089 4.02 7.1X10. ♀
- 6090 7.01 7.8X9.5 ♀

The first day in
 I found a deer where the
 species was quite plenty, took
 Killed mother deer this
 morning and saw a very
 large deer this afternoon
 looking for my horses.
 made off with a 7/4 Cal
 ball into my trapline.
 As the brush was thick I did
 not see it.

6091

04

aculeus x 1 x 2.5 x 2.2 ♂

Abdomen 2.0 x 1.0 legs black.

Common in the area.

6092

05

Circulatus 3.88 x 4.28 ♂

This species seems to frequent the

vicinity of water.

They are often seen on the ground

under rocks and in the nooks of trees.

In the view of their surroundings.

6093

06

Acetabularia 16.7 x 30. ♂

Abdomen red. Bill black. I think

it is a greenish line. Legs

greenish of line. I think it

is to identify the eggs.

It is a small insect, imperfectly

developed and finally died.

with the little bird nearly as

as in the fly. I think it is common

6094

07

Pyronota 4.2 x 6. ♂

6095

08

Pyronota 7.3 x 11.0 ♂

Bill blackish from above, greenish

yellow below. Legs blackish, frequent

not very common.

18. 19. 19. 19. 19.

This morning I find that
animal, probably a Wood Rat
has destroyed some things over
the night. I had left the
box to facilitate drying.

The head of *Antrostomus* further
No. 372 is partly broken off, it
is very small. The head of the
number 382 is gone. No. 397 is
totally destroyed, so is 389.

#378 is missing.

6096
409 *Antrostomus nullatus* 81 x 126 D
Killed last night. I find
two or three nights ago I
heard heard occasionally a
A. var. arizonae, but since then
I have not heard it.
It whistles. It sounds like
"a" a distance like "to" near
- sound more like "Pul-
a" a distance like "to" near

6097

by 10

from the canyon here at 9,186 ft.
 The house of this place is
 the house, has along the
 stream below the mouth of the
 canyon where there are a few
 Mesquits interspersed among
 the oaks. I watched it some
 times & it lingered among the
 Mesquits but if I happened to
 fly into an Oak it went in
 my arm, coming to much prefer
 feed in the Mesquit.

6098

11

Circus lateralis

It began to migrate this bird,
 there were a few in the area.

6099

11

Megascops laurienti 23X105, ♂

Very windy, so much so
 that it is difficult to
 see anything.

20 1.1.1

1. 1

14

6100

413

6101

2

6102

415

6103

4/6

6104

417

6105

413

6106

2

London 1848

49X63

1941-1942 20.11.1942 8.5X/53

Chile 14000 85V/15 8

Holothirius var. *obscurus* 7/18/21

verticalis 80 x 148

Phlox pilularis Nutt. 1891

1877. The same, but the same.

no other humanity in fact

1774

7/2/1904. K. 200. 2.

under it, some of the flowers of

[Faint handwritten notes at the bottom of the page]

My dear Mr. [illegible]

12. 11. 1914. The first of the

[Faint handwritten notes at the bottom of the page]

[Faint handwritten notes at the bottom of the page]

Fig. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 8

the stone is a white limestone.

2! May 81
anta Hita Mts

6107

420 *Corvinus alexandri* 3.7 x 4.45 ♂

2 Taster in the morning for
the "river" on our way back

6108 *D. incan.*

21 *Cremophila* var. *chrysoloma* 4.6 x 4.2 ♂ juv
all legs very pale bluish. Sang 1st
on the river. Could fly but a
few yards at a time, parents seen.

6109

22 *Callipepla squamata* 10.3 x 5.2 ♂

6110

23 *Farporhynchus bendirii* 10.3 x 4.2 ♂

I. yellow. Bill blackish, under at
base below. Legs light brown.
35 miles south of Tucson

6111

24 *Callipepla squamata* 10.3 x 5.2 ♂ juv

4 miles south of Tucson crossing a
bed of water. I saw 1st and 2nd
there are four kinds of birds
here. One large and the other
small. I saw one of each
small species

2 May 81

25 Miles south of Tucson

to Geo. N. Lawrence

6112

425

Camptorhynchus bairdii 1889. ♂

I had found a nest containing
three young nearly large enough
to fly in a cholla, near where
we had camped over night
and was looking at them when
I saw this bird coming with
us to get them, and shot

6113

426

Idio.

1889. ♀ juv

One of the three mentioned above.
Another was put into alcohol.
Light gray. Bill dk brown above
below, and legs, feet bluish

6114

427

Camptorhynchus brunneicapillus

Taken from nest 1889. ♂

Young. Bill blackish. Legs feet

light brown.

Got to nest at camp in the
river above Tucson.

6115

6116

6117

38

6118

39

W. G. Plummer.

W. G. Plummer.

W. G. Plummer.

Melospiza cinerea.

The bird was taken in the morning, and was very fresh. It was very fat, and its plumage was very bright. It was very tame, and allowed me to handle it with ease. Its eyes were very large, and its beak was very strong. It was very active, and it was very noisy. It was very curious, and it was very friendly. It was very intelligent, and it was very brave. It was very beautiful, and it was very rare.

6119

432

1857. 8

the the

A. A. [unclear] [unclear], [unclear]

spine of the tail was 32 mm. 1919.

The first part of the paper

High 1 2 3 4 5 6 7 8 9 10 11 12

see next page

Alnus glutinosa L.

1942

Hel. chrysosoma 1158 23 ♂

1121 22 4

[Faint handwritten notes at the bottom of the page]

1905

1911

These are all of the same family

21 11 22

1375. *Corbyneus crisatellus* 13 12 x 8 mm

Black. Common.

6128 7.22 x 2.79 in

same bowl

The man was certainly that
of various devices, but it had
been used on a previous season
and undoubtedly the engine
used it instead of building a
new one in a crevice or some
similar place. I have found
many old nests of this kind.

were in the way of a heavy block
behind the red bark in the way of

87.86 p. 1

6129 *Puccinia Carphalis*
432

5.5x5.2

6130

748 *C. u. x pusilla*

5.9x8.7

S. brown. Bill black.

5.9x8.7

yellowish. Leg. black.

87.86 p. 1

28 Nov 8
in air w.f.

6131
144 White-c. sp. 35X11 ♀
Parent of 13. H. 1111

6132
145 Thryothorus intercedens 72X12 ♂
... Bell Hawk ...
... seen this season.
... 1876. Not seen
in ...

6133
146 Oreithyon inubere 45X16.7 ♀
Parent of the next 4. 34mm ...

6134
147 Oreithyon inubere 37X12 ♂
... the nest well ... and
... up. Then she saw
... came around ...
... had a nest near ...
... and then ...
... up ...
... of the same kind
... the ...

6135
148 Chondestes serripes 65X15

To G. Hammer

nest. quail

24

in in in

6136

449

... 44x6. P

6137

450

... 43x8 P

C.B. Long

6138

451

... Ornithion umbra 3.5x2.5 6 juv

6139

452

6140

453

6141

454

occ. 2/24 1 11. 11 8X87 1

Y. J. L. Allen Mus. Comp. Zoo. 102X33 8

To Nat. Mus. 27 7

6142

455

To Nat. Mus. 27 7

104X32 1

Came to a corner mill
above Casa Linda, the
stream. The Mosquito are
small, all, 1 inch or so
long. The water is clear
and the bottom is sandy.

... L. 2 all 12 1/2

6143

756 *Di. c. ... aliorum* 231 x 15 8

... ^{narrow} ...
 ... with a light ...
 ... the ... Bill ...
 ... back ... dull ...
 ... dull ...
 ... Bare ...
 ... blue about the eye,
 ... behind
 the eye, and ...
 with a ...
 common in Arizona, ...
 abundant in ...
 ... in ...
 Not very common in New Mexico.
 Common in southern California.
 Nest a rude basketry bowl-like
 structure. Eggs three to five.
 Run rapidly, putting a horse to
 great good speed to overtake it
 in an ...
 ...
 ...

and are flying in the air
 and are very noisy. The throat
 is white and the legs are
 yellow. The tree, from which
 they come, is a species of
 acacia, growing in a
 mountainous region, and is very
 common. It does not attract much
 attention, but can be used
 for its wood, which is very
 hard and strong. It will

6144 *Lizarcus umbellatus* gray not used, but used.

6145 *Lizarcus umbellatus* 81X 27. ♂

6145 *Lizarcus umbellatus* 70X 50. ♀

6146 *Lizarcus umbellatus*

6146 *Lizarcus umbellatus* 114X 38. ♀

6147 *Lizarcus umbellatus* 111X 35. ♀

460 *Lizarcus umbellatus* 111X 35. ♀

6147 *Lizarcus umbellatus* 111X 35. ♀

6147 *Lizarcus umbellatus* 111X 35. ♀

6147 *Lizarcus umbellatus* 111X 35. ♀

6147 *Lizarcus umbellatus* 111X 35. ♀

6148

461

6149

462

6150

463

6151

467

Piparom sp?

Ditt

Ditto

51.9 C

59N7.1 E

56N 37.2 S

55N32.4 Y

Larvae.

The larvae of the above species.

A little before noon I heard a
note near me that I

M. cinereus is not differing much
that I thought it worth while to
investigate, with the result of
seeing four or five above species, a
obtaining three or four, they were
in low bushes, and easily
approached. I did not notice any
females as it was late in
the day in daylight. The males
continued to sing & utter
their notes to differ from the
females, especially in greater length

1 me 8!
... well

6152 To H. W. Henshaw.

6153 *Zonotrichia leucophrys* var. *mexicana* 5.7 x 4.9 ♂

... 5.7 x 4.9 ♂ juv.
This and another young bird were following the ♂ around while he fed him. Although they seemed to be as quick and easy in flight as he, they did not seem to know how to catch the insect.

6154 *Catharus erythrogastrus* 10.2 x 6.8 ♂, juv.

... simply means not fully mature and is a juvenile. It is all young birds from the nest - it is the nearly adult stage. The above bird was sitting. The Woodpeckers here seem to be ^{in the} ~~in the~~ in the latter of incubating.

6155 *Myiarchus* sp? 10. x 14.3 ♂

6156 *Colaptes auratus* 11.7 x 8.8 ♂ juv.

6157 *Myiarchus cinerascens* 8.7 x 2.7 ♂

6158 *Ammodramus* 4. x 6.2 ♂ juv.
Hemitrochus ...

6159

472

6160

473

6161

474

Myiarchus sp?

4.5 x 1.1

♂

Gt. to H. W. Henshaw

10.5 x 4.2

♂

Microtus. whitleyi

5.3 x 2.8

♀

Obtained by picking a large cactus that stood in advance of the others near the valley. She was in a hole about 2 ft. from the ground and with her were three young a few days old which have just fledged. In the same cactus were nests containing respectively three each of *C. urophysalis*, and *C. chrysoides*, all nearly large enough to fly, some of which had skin. In one of the lower arms was also a nest, but empty. That I believe to have been made by the above species of *Myiarchus*. I saw another in another cactus, and also birds of the same sp. among them.

To Nat. Mus.

2 June
L. M. Lowell

6162

75

6163

76

6164

6165

6166

3 H. W.
Henshaw

6167

6168

81

Tyrannus tyrannus 10.2 x 17.3 ♂ juv.

Tyrannus tyrannus 10.1 x 17.4 juv.

Tyrannus tyrannus 8.2 x 17.3 ♀ juv.

% Nat. Mus.
Tyrannus tyrannus var. *calurus* 11.7 x 13.9 ♂ juv.

Tyrannus tyrannus *whitnaggi* p. x 15.2 ♀

the sitting on your egg, which
were removed from the nest, the folk
broke them and one "bucked"
loudly. I was full of them

for a while & all in to "clerk"

Tyrannus tyrannus var. *calurus* 8.2 x 17.3 ♂ juv.

Tyrannus tyrannus var. *calurus* 8.2 x 17.3 ♂ juv.

Tyrannus tyrannus 8.2 x 17.3 ♀

6169

482

Granivora Green, new 7. X 13. X 8

Bill greenish yellow
 base of lower mandible
 greenish yellow. Claws black.
 I have heard this or another of
 the same species several mornings
 singing? in the Cottonwood near
 camp, and this morning succeeded
 in finding it. The note was
~~cluck~~ "cuck-~~cluck~~" repeated
 about twice in second or three
 seconds, quite loud for the air,
 for bird. At each note it
 jerked the tail, and the head
 was thrown back with the bill
 pointed out. A few times when
 the notes "cluck" replaced the other
 — lower, so they were not
 noticed as far. I have heard
 a small one for several evenings
 which is quite as sweet as it is
 different. I also heard it at the station.

See no 495-

6170

79

6171

Las 205 x 65 ♀

87 *Comptosia var. difficilis* 85 x 61 ♂

A few minutes ago while I was working just an older fish in a thicket a small bird flew from it. ~~and~~ I only caught a glimpse of it, and thinking it had flown from it I stood scanning the bush for it, when I saw a Whistling Owl sitting on a limb with its side toward me, and one wing held up shield fashion before its face. I could just see ^{if it had kept its head ~~and~~ slightly raised} its eyes over its wing. ^{It had overlooked it.} I had squeezed itself together into the smallest possible compass so that its head was the widest part of its outline. It looked very comical. I backed off a little and circled around to get a better view.

3 me 5
 4 1/2 1/2 1/2 1/2

to shoot from so the brush
 was thick. Whichever way
 the bird was interested and
 when I backed away for
 to shoot - could not tell what
 was owl and where was hawk
 but after working a while
 by guess and it felt small
 and was picking it up when
 I was surprised by another of
 same species, which I had
 seen at all before, for I was near
 me. Of course some other
 had struck it, but at first I
 almost imagined it had been
 frightened to death. I found
 that he came out of the bush
 probably one of the same kind

5172
 485 *Microtus whitneyi* 5.7x4.8 ♂
 6173
 786 *S. t.* 5.5x4.6 ♂
 6174
 487 *Microtus* 11x3.7 ♀

6175

88 The 8x22 ♀

9

6176

... ..

6x12x7 juv

... .. in the low

thicket. noted a kind of

... .. apparent from any

... .. there were

... .. the rest of the

... .. young, but after

... .. me

... ..

June 81

San Luis

6177
490 *Myiarchus whitei* 5.1 x 4.6 ♀

6178 Cactus, Two young birds.

44 *Myiarchus* sp? 5.1 x 4.6 ♂

6179
44 *Myiarchus* to F. Stephens 5.8 x 4.4 ♂

6180
443 *Sitta* 4.6 x 3.7 ♀

This series has quite a variety
of notes, some of them almost
Tanager-like.

6181
444 *Myiarchus cinerascens* 8.1 x 2.7 ♂

6184

Empidonax pusillus ♂

6185

498 *Empidonax pusillus* ♂

Drove back to our old camp
above Tucson.

on edge of the scrub now a
long narrow "bar" differing in
form from the rest of our area
and of some height. I saw a
B. garrulus near Camp Lugo
which was a very much
reddish when we were first
was about thirty feet from the
edge of the scrub. It contained
nothing but when we were first
on edge of the scrub now a

6186

1000

11. 11

57X64 ♀

Accidentally pulled it
over and broke and threw
the skin away.

6187

6188 *Polioptila plumbea*

70X58 ♂

6188

6189 *Buteo borealis*

192X78 ♂

6189

♂ ditto

212.531 ♀

I was out in the field, not
looking for nests when this
male came circling over me,
on shooting him the female
came immediately and suc-
ceeded in getting him. I was
then sure that they had a nest
near, and soon found it was
now more than a hundred yards
away, but I should never have
found it if their actions had
not betrayed its presence, as
it was well hidden by some
low bushes.

8 June 81
Tucson

6190			
503	<i>Harporhynchus erivalis</i>	11.7 x 2.1	♂
6191			
504	<i>Onchitis upensis</i>	5.8 x 2.1	♂
6192			
505		8.2 x 5.5	♀
6193			
506	<i>Guthrieus</i>	5.0 x 2.2	♂
6194			
507	<i>Empidonax pusillus</i>	9.1 x 4.8	♂
6195			
508	<i>Sitta</i>	5.7 x 8.3	♀

Laying.

6196			
509	<i>Principula</i>	5.7 x 2.1	♂
6197			
510	<i>Helminthophila</i>	6.5 x 8.4	♂
6198			
511	<i>Helminthophila</i>	5.1 x 13.2	♀
6199			
512	<i>Coccyzus americanus</i>	12.6 x 7.8	♂

I. brown, Bill, ridge and tip black, and tip below black, brownish yellow. Legs and feet brown. I am circumcised and much the color of the immature. This is the first of the species I have seen in Arizona. I am another, I hope.

June
1912

6200

3

Chamaea indica

as seen at Xos 8

6201

etc

80% Xos 9

6202

515 *Thalassidroma* ... 8.1 x 2.2 ♂

6203

516 *Thalassidroma* ... 7.9 x 7 ♂

6204

517 *Thalassidroma* ... 8.2 x 1.1 ♀

6205

518 *Empidonax pusillus* ♀ 6.6 x 8.2 ♀

6206

Parent of 515
P. ... 8.7 x ... ♀

6207

519 *...* 7.3 x ... ♂

6208

Leucis var. longicauda 17x9.4 ♂

6209

Leucis var. coofuri 8x12.5 ♂ juv

6210

Chamaepulchella fasciata 6.8x1.8 ♂ juv

6211

Chamaepulchella fasciata 2.7x1.1 ♂ juv

6212

allu from nest? not a male

6213

contains an adult egg same

6214

same as 6213. Cowbird.

6215

Thryothorus var. unicolor 5.3x2.9 ♂

6216

Thryothorus var. coofuri 8.1x12.5 ♂

112 u

T. Nelson

6214

52

Coccyzus americanus 14. Nov. 78.

Two others seen. Seen to show
a little movement of the lower
downward, & raising the tail
with a jerk at the same time
meaning it was in position
to pick it up & bring it outside of its original
position.

June 17. 881
10 miles north of Tucson.

6215

528 *Scarus parisorum*? 7.9 x 1.4 ♀ juv
Dark brown. Bill rosyish black.
Legs dull blue.

Started for Canon del Oro
Camped for the night about
20 miles north of Tucson.
Sage brush, & a scrub country,
very little grass. Mesquite Palo-
verde, Chollas, Giant cactus &c
abundant. Not many birds, mostly
thornbills. Trapped in boxes, &c -
a well at ten cents apiece.

15 June 8
25 miles north of ...

Bendirei, warble

6216

520 *Harporhynchus* ~~ten~~ $8.2 \times 11.2 \times 2.7$ ♀

Yellow, Bill black, Legs blue
bluish or greenish, May prove to
be *H. bendirei* but I can see no
indications of spots. This genus

has raised a brood.

6217

530

6218

531

Amphiorhynchus brunnicaudus 8.2×11 . ♂ juv

Ditto 8.2×10.5 ♀ juv

Inddick brown. Bill black, blue
below. Legs bluish brown.

This seasons birds.

Drove to Canon del Oro, only
to find that we had been sent
on a wild goose chase for the
only "road" up the canon is
rough pack trail, and the
water here is very poor and
scarce, and no horse feed.
Neither are birds plenty, so we
shall turn back.

10 June 81

20 miles north of Tucson

6219

532 *Callipepla squamata* 10.2 x 10.5 ♂

6220

33 *Callipepla squamata* 10.2 x 10.5 ♂

6221 To C. B. Cory

37 *Harporhynchus* var. *palmeri* 11.7 x 11.1 ♂

6222

30 *Callipepla squamata* 10.6 x 10.5 ♀

It would have died in a few days, mate to the next.

6223

36 *Callipepla squamata* 10.3 x 10.5 ♂

This is the most westerly unit at which I have seen this species.

6224

37 *Harporhynchus bendirii* 10.1 x 12.7 ♂

6225

38 *Callipepla squamata* 10.1 x 12.5 ♀, juv

6226

39 *Callipepla squamata* 10.8 x 12.7 juv

Turne organs destroyed by rot.

6227

30 *Callipepla squamata* 10.1 x 12.8 juv

6228

30 *Callipepla squamata* 10.1 x 12.8 juv

Drove back five miles and made a dry camp in the desert. Found the Blue Quail tolerably common, 5-20 will probably prove to be *H. bendirii*.

June 8
5 miles north of here

6228 to G. Plummer

57 *Empidonax hammondi* 8. 10. 9.
6229 *Lophoceros yambei* 11. 5. 6. in
572 6230 *Editha* 12. 1. 10. in
573

6231
577 *Editha* to C. B. Cory. 11. 1. 10. 8

Present of a new recording
cave to the well 15 miles
north of here and I
went to look for Massena
Partridges that were said to
be seen near by occasion
but could find none.
While coming down a steep
hill I saw a stone into a
bush below me, where two
Owls as large as or larger than
the Barn Owl flew out. They
were much the color of the
McCulloch Owl. I missed with
both ~~shots~~ barrels, and they
went out of sight. I do not
think they had a nest.

... ..

- 6232 *... ..* 11.6X12.7 9 juv
- 6233 *... ..* 11.6X12.7 9 juv
- 6234 *... ..* 11.6X12.7 9 juv

6235 *... ..* 11.6X12.7 9 juv
 6236 *... ..* 11.6X12.7 9 juv

6237 *... ..* 11.6X12.7 9 juv
 6238 *... ..* 11.6X12.7 9 juv

6239 *... ..* 11.6X12.7 9 juv
 6240 *... ..* 11.6X12.7 9 juv
 6241 *... ..* 11.6X12.7 9 juv

6242 *... ..* 11.6X12.7 9 juv
 6243 *... ..* 11.6X12.7 9 juv
 6244 *... ..* 11.6X12.7 9 juv

6242

6243

6244

Orthogonotus *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m*Orthogonotus* *mesa* 7.3 x 2.9 m

6245

58

Orthogonotus *mesa* 7.3 x 2.9 m

6246

Orthogonotus *mesa* 7.3 x 2.9 m

6247

Orthogonotus *mesa* 7.3 x 2.9 m

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Orthogonotus *mesa* 7.3 x 2.9 m

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Orthogonotus *mesa* 7.3 x 2.9 m

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Orthogonotus *mesa* 7.3 x 2.9 m

6251

Orthogonotus *mesa* 7.3 x 2.9 m

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Orthogonotus *mesa* 7.3 x 2.9 m

6253

Orthogonotus *mesa* 7.3 x 2.9 m

6254

Orthogonotus *mesa* 7.3 x 2.9 m

6251

563 *Actitis macularia* 4.53 x 5.3 B.

6252

A. C. B. Cory

4.53 x 5.3 B.

6253

566

α ♂ To H. W. Henshaw. 3.71 x 5.6 -

Signum organ. destroyed by the
his near riv.

6254

667

♂ To Nat. Mus. 3.71 x 5.3 B.

6255

568

Campylorhynchus var. subadult 11 x 3.2 ♀

From the ... bird. 1000.

6256

569

Campylorhynchus *humilis* 3.2 x 3.2 B. ♂
have been one of a very
early brood. It seems probable
to be an adult, as they are re-
wary, and the country is full
of young which are not as
cunning yet and I can see
tell which from latter situation

6257

570

Actitis macularia 5.8 x 11. B

6258

571

Canis *procyon* 6.2 x 6.2 ♀

This bred.

6259

572

Chordeiles *ixensis* 8.8 x 11.3 B

6260

573

Y. C. B. Cory

8.1 x 20.5 B

2 - 6 - 18

6261

unusual 7,206 f

6262

7,245 f

There are several very short
 a number of seeds around it
 of some sort to the hill in
 the morning. The fruit of
 the plant is a small, round, like
 and the seeds are
 lead time on it. It is a
 the size and shape of a ring
 the inside is filled with a
 soft-red mass. The seeds are
 of the seeds are very hard
 in the fruit which is very
 and of the good eating.

The fruit grows in the crown
 of the bushy plant stems, and can
 be detached from the stems with
 a good deal of force. The seeds
 are very hard and are

23 June 81
Cotton L. wood.

6263

572 *Elaphoglossum* *unna*: 203 x 77/2 ♀

... this of the ...
... because ...
... species ...
... think it is a ...
... all ...
... it seems to me to be too long
for *E. alexandri* as it must
unless the females average less
than the males, which is con-
trary to my experience with
other species.

6264

577 *Elaphoglossum* *var. unna* 10.7 x 37 ♂ juv

6265

578 2? 11.6 x 26 ♂

6266

579 *Elaphoglossum* *coqui* 8.1 x 16 ♂

6267

581 *Elaphoglossum* *porianus* 23.2 x 21 ♂

222
 222
 222

6264 To Geo. M. Lawrence
 581 Poliolele humilis 4.4 x 5.8 ♂
 6269
 582
 583

6270 To H. M. Hinchman
 584 Curculionidius unicolor 4.0 x 3.1 ♂ ad
 6271
 585
 6272
 586

6273
 587 D. M. 11. x 32 ♀

6274 L. M. 11. x 32 ♀
 588
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6277 Myiarchus cinerascens 5.1 x 4.8 ♀
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- 6278
 591 *Phalaropus* sp? 97, 36 ♀
 6279 98 x 38 ♂
 592
 6280
 593 *Chaulelasmus* 75 x 100 ♂ juv

St. Louis, Bill & Meg Beach

I have never been able to discern

where this species nests.

- 6281 to C. B. Long
 594 *Chrysomitris* 11.7 x 10.5 ♂
 6282
 595 *Geothlypis trichas* 11.2 x 12.5 ♂ juv
 6283
 596 *id.* 11.8 x 12.5 ♂ juv
 6284
 597 *Geothlypis trichas* 7.1 x 10.7 ♀
 6285 *Geothlypis trichas* ^{palmeri} 10.7 x 12.5 ♂ juv

6286 To F. Stephens

500

Microtus or *Myiarchus* 58x8.

Found a ~~the~~ nest in a
small a sort of under and
had climbed up to a hole in
a *Quercus* *macrocarpa* and on cut-
ting it open with my knife
found these birds in it. There
was also another young one
dead in the nest. The hole
was in the oak. The nest
today was very hot so it
probably smothered. In another
hole on the other side was
a nest of *Myiarchus* sp? ^{added}
containing one egg and two
young just hatched. The
egg is somewhat like that of
M. cinerascens as I remember it,
excepting this, has some diagonal
and crosswise streaks as well as
most running lengthwise of the egg.

27 June 8

in the well

6287

600

601

6288

Micra. harr whitneyi 47x12.7 ♀ juv

Polioptila plumbea 46x12.7 ♂

area in it on picking her

was saw an egg had been

proven in her by the shot and

found the nest ~~was~~ must be new

and with a little scarce, found

it contained two eggs one

which had been dropped in it

a *Melospiza* var. *obscura*, the

bird got badly mixed up in

egg and I ~~the~~ only skinned it

because of the nest & eggs.

6289

602

6290

603

Polioptila plumbea 46x12.7 ♂

Melospiza var. *obscura* 51x9.1 ♀? juv

Has wings fed by 602.

6291

604

6292

605

6293

606

Tachycineta var. *calmeri* 41.2x34 ♂

Phainopepla nitens 51x11.3 ♂

Campylorhynchus brunneicapillus 7.8x10.2 ♀ juv

- 8 - 5
Lewell

- 6294 No. Nat. Mus.
6295 *Microrhina whitneyi* 7.7X12.1 juv
6296 *Ditto* 7.6X12.8 juv
Ditto 5.6X14.9 ♀

Found the two preceding
cent them out of a hole
in a *Scirpus* factus and with
them was an egg apparently
clipped for hatching after
which the bird must have
died. It is very dirty out-
side.

- 6297 *Ditto* 7.7X12.1 juv
610 *Ditto* 7.7X12.1 juv
6298 *Ditto* 7.7X12.1 juv
611 *Ditto* 7.7X12.1 juv

While on my way to the bank
of an arrow on the hill
from or the other side a wild
flew out of a bush and saw me
two of which I shot. I was
amusing myself with the thought
that they were in the habit of waiting for

6299

612 *Campestris orthocentrus brunnescens* 8.1 x 0.3 ♀

6300

613 *Falco sparverius* 19.1 x 2.7 ♂

Adult. Bill bluish. Blackish
on wings. Light brown, blackish
common, generally dis-
tributed.

6301

617 *Colaptes auratus* var. *calurus* 1.5 x 0.32 ♂, juv

6302

615 *Prospiza billineata* 5.7 x 0.2 ♂ juv

20 June 57.
Packed up and drove in to
Tucson on our way to Guaymas.

2 July 57.

Saw a pair of *Callipepla squamata* three or four miles
east of Picacho Station ^{with}
S.P.R.R. and 40 miles west
of Tucson. Doubt if they will ever
be seen ^{in this area} again.

3, July 1'

A sand storm came to us
in the evening. Grande kept right
up very fine birds, perhaps
over an hour on an average.
These are mostly Carolina Wrens
with an occasional White winged
Sparrow, *Ammodramus* *caerulescens* and
Ammodramus (Canyon wren?) and
an occasional White winged
sparrow. Even in Turkey culture
 seldom comes this far on the
 coast.

4 July 8'

A heavy shower gave us
a thorough soaking. Last night
this is the commencement of
the rainy season. Had a heavy
flood in the mud to 10
miles.

5 Feb. 8

15 miles west of Maricopa

W. C. B. Cory

6303

616

6304

6172

Harporhynchus lecontei 108, 1238,

10, 6X/2. ♀ ad

iris reddish brown, Bill black
Legs blackish. Gizzard contained
a small species of
Katydid and Ants. No other
seen. Locality near the
middle of the 75 mile run
between Maricopa River and
Cisco Bend. No cholla or
saguaro cactus in the immediate
neighborhood but some Gila
saguaro about a mile away
on the hills; a few Mesquite and
much scattering low brush.
No notes heard. Tail carried
elevated at about 75° angle
nearest water 20 miles. No
other Thrushes seen today and
exceedingly few birds of any
species.

15 July 8

Arizona

Had a very uncomfortable trip down the Gila. The thermometer has been above 100° every day since we left Tucson, often reaching 115° and 117° . Roads were sandy, water scarce and bad. The Gila had water only in a few holes in the last 40 miles, and it was so alkaline that my horses got sick. Got here yesterday. Took a walk near town this morning. Birds few in species and with but a few exceptions in numbers also. Petrochelidon lunifrons is breeding abundantly along a bluff above town. Pipilo gymna al. Pipilo in pinus ca seems to be common. Thryothorus ca unifrons al. also.

15 July 8

Quana Trig

6305

618 Polioptila. shown 4.7 x 5.0 ♂

Saw this bird go into a hole
of mistletoe and waited some
time for it to come out, to get
a shot at it, and finally
went to the tree when I saw a
nest in the mistletoe and
shaking the branch the bird
came out when I backed up
and shot it. On getting the
nest I found it to contain
one egg of this sp. and one

6306 of M. var. obscurus (L.)

619 Ditto

4.7 x 5.6 ♀

July 8!
Yuma Ariz

6307

20 *stans tullocki* 21 Nil. ♀ juv

6308

Balance of brood seen
21 *Colaptes auratus* 24 X 5.6 8 juv

Saw a flock of Wood
Ibis in a slue near the
Colorado River

1 Aug 81

Riverside Cala

Reached here two days ago.
Had a very hot journey across
the Yuma Desert. Lost a
horse in the middle of the
Desert and by the merest
chance another team having
a spare horse overtook me,
so I was able to hire it
to come in with.

Birds were very rare until
I neared the mountains on
the western edge of the Desert.
Sometimes I saw none all day.
I saw no Lophortyx gambeli
for the first hundred miles
west of Yuma but they were
common from "Walters" on
for forty miles in a part
of the desert below sea level.
The first L. californicus was
seen in the San Geronimo

Pass, a days drive from where the last L. gambeli were seen. Saw a number of Polioptila that were probably P. plumbea in the same locality where the L. gambeli were seen, but as we drove nights and tried to sleep days, with the thermometer running 115° to 120° in the shade (if shade could be found), I found it impossible to do anything not absolutely necessary, so I made no effort to collect any birds.













